

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'POULht003'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

*Rosa hybrid*

VARIETY DENOMINATION

5

'Poulht003'

The present invention constitutes a new and  
distinct variety of garden rose plant which originated  
from a controlled crossing between the female parent, an  
10 un-named seedling, and the male parent 'Poulduce',  
described and illustrated in U.S. Plant Patent  
Application No. 09/277,239 dated March 26, 1999. The two  
parents were crossed during the summer of 1994 and the  
resulting seeds were planted in a controlled environment  
15 in Fredensborg, Denmark. The new variety is named  
'Poulht003'.

The new variety may be distinguished from its  
female seed parent by the following combination of  
characteristics:

- 20
1. While the seed parent has deep floral  
orange hues, flowers of 'Poulht003' are  
lighter, orange-yellow in color.
  2. 'Poulht003' is more disease resistant  
than the seed parent.
  - 25 3. Flowers of the new variety, 'Poulht003',

have improved color retention than  
flowers of the seed parent.

The new variety may be distinguished from its  
pollen parent, 'Poulduce' by the following combination  
5 of characteristics:

1. While flowers of the male pollen parent  
have a general tonality of Yellow Group  
3C-4D, flowers of 'Poulht002' have a  
general tonality of Yellow-Orange Group  
10 19C.
2. While the male pollen parent has a flower  
petal count of 50-65 petals, 'Poulht003'  
has 40 petals.

The objective of the hybridization of this rose  
15 variety was to create a new and distinct variety for  
garden use with unique qualities, such as:

1. Uniform and abundant apricot flowers with  
good color retention;
2. Vigorous, compact growth;
- 20 3. Disease resistance;
4. Classic rose flower form.

This combination of qualities is not present in  
previously available commercial cultivars of this type,  
25 known to the inventors, and distinguish 'Poulht003' from

all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during  
5 winter of 1994 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'Poulht003' was selected in the spring 1995 by the inventors as a single plant from the progeny of the  
10 aforementioned hybridization.

Asexual reproduction of 'Poulht003' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1995. This initial and  
15 other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'Poulht003' are true to type and are transmitted from one generation to the next.

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#### BRIEF DESCRIPTION OF THE DRAWING

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs  
25 of this type, the typical characteristics of the buds,

flowers, leaves, and stems, of 'Poulht003'. Specifically illustrated in figure 1:

- Fig 1.1; Stem showing open flower and the attachment of leaves, buds, and peduncles;
- Fig 1.2; Flower bud;

Specifically illustrated in figure 2:

- Fig 2.1; Flower petals, detached;
- Fig 2.2; Sepals, receptacle, and peduncle;
- Fig 2.3; Mature leaf;
- Fig 2.4; Juvenile leaves exhibiting anthocyanin;
- Fig 2.5; Mature and juvenile stems exhibiting thorns.

Specifically illustrated in figure 3:

- Fig 3; Open flowers.

#### DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'Poulht003', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age and were grown on *Rosa multiflora* rootstock. Color

references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the rose variety 'JACfehon', a rose variety described and illustrated in U.S. Plant Patent No.11,617 issued 7 November 2000, are compared to 'Poulht003' in Chart 1.

CHART 1

	'Poulht003'	'JACfehon'
Petalage	40 petals	30 to 35 petals
Petal color: upper surface of outer petals	Yellow-Orange Group 19C with intonations of Yellow Group 7D at basal zone.	Yellow-Orange Group 19C
Color of flower petals as sepals divide.	Orange Group 28C.	Yellow-Green Group 154C at base. Yellow- Orange Group 22C towards the tip.

#### FLOWER AND FLOWER BUD

**Blooming habit:** Recurrent.  
**Flower bud:**

Size: 40 mm in length from base of  
receptacle to the tip of the  
bud. Bud diameter is 20 mm.

Bud form: Long and pointed ovoid,  
broadening at the base.

Bud color: As sepals unfold, petals are  
Orange Group 28C. At  $\frac{1}{4}$  opening  
petals are Yellow Group 4B  
with intonations of Red Group  
42B.

Sepals:

Upper Surface:

Color: Yellow-Green Group 145B with  
very weak anthocyanin Greyed-  
Red Group 182A.

Surface: Strongly pubescent.

Lower Surface:

Color: Yellow-Green Group 145A.  
Anthocyanic pigments the color  
of Greyed-Red Group 182A.

Sepal Shape: Sepal apex is cirrhose. Base  
is flat at union with  
receptacle.

Sepal Margin: Margins have medium  
foliaceous appendages on three  
of the five sepals. Stipitate  
glands present in medium  
quantity.

	Size:	40 mm (l) x 15 mm (w).
	Receptacle:	
	Surface:	Smooth and glabrous.
	Shape:	Urn-shaped.
5	Size:	10 mm (h) x 10 mm (w).
	Color:	Yellow-Green Group 145A. Anthocyanic pigments the color of Greyed-Red Group 181C observed.
10	Peduncle:	
	Surface:	Somewhat rough. Stipitate glands are very fragrant.
	Length:	30 to 35 mm.
	Color:	Yellow-Green Group 145C. Anthocyanic pigments the color of Greyed-Red Group 181C.
15		
	Strength:	Strong.
	Borne:	In clusters of 1 to 4 flower buds per stem.
20		
	Flower bloom:	
	Fragrance:	Light floral scent.
	Duration:	The blooms have a duration on the plant of approximately 7 to 10 days. Petals fall cleanly away from plant after flowers have fully matured.
25		

Size: Flower diameter is 115 mm when  
open. Flower depth is 60m.

Form: Classic hybrid tea shape with  
a tight center.

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Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

Upon opening, lower part: Flattened  
convex.

10

Open flower, upper part: Flat.

Open flower, lower part: Convex.

Petalage: On average 40 petals under normal  
conditions with 10 petaloids.

15

**Color:**

Upon opening, petals:

Outermost petals:

Outer side: Yellow-Orange Group 19C with  
strong intonations of Red  
Group 38B.

20

Inner Side: Yellow-Orange Group 19C with  
intonations of Yellow Group 7D  
at basal zone.

Innermost petals:

Outer side: Yellow-Orange Group 19C with  
strong intonations of Red  
Group 38B.

25

Inner Side: Yellow-Orange Group 19C with  
intonations of Yellow Group 7D  
at basal zone.

Upon opening, basal petal spots:

5           Outermost petals:

Outer side: Yellow Group 5D.

Inner Side: Yellow Group 5C to 5B.

Innermost petals:

Outer side: Yellow Group 5D.

10           Inner Side: Yellow Group 5C to 5B.

After opening, petals:

Outermost petals:

15           Outer side: Yellow-Orange Group 19C with  
strong intonations of Red  
Group 38B.

Inner Side: Yellow-Orange Group 19C with  
intonations of Yellow Group 7D  
at basal zone.

Innermost petals:

20           Outer side: Yellow-Orange Group 19C with  
strong intonations of Red  
Group 38B.

Inner Side: Yellow-Orange Group 19C with  
intonations of Yellow Group 7D  
at basal zone.

25

After opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 5D.

Inner Side: Yellow Group 5C to 5B.  
 Innermost petals:  
 Outer side: Yellow Group 5D.  
 Inner Side: Yellow Group 5C to 5B.

5

**General Tonality:** On open flower Yellow-Orange Group 19C. No change in the general tonality at the end of the 7<sup>th</sup> day.

**Petals:**

10           Petal Reflex: Strongly.  
               Margin: Entire and uniform. Very weak undulations of margin observed.  
               Shape: Apex is slightly pointed to round. Base shape is rounded.  
 15           Size: 50 to 55 mm (l) x 50 mm (w).  
               Texture: Smooth.  
               Thickness: Thick.  
               Arrangement: Not Formal.

20

**Petaloids:**

Quantity: 8 to 10.  
 Color: Orange Group 24C, Yellow Group 5A and Red Group 38B.  
 Size: 34 mm (l) x 25 mm (w).  
 25           Shape: Acute base. Round apex.

**Reproductive Organs:**

Pistils:

	Length:	5 mm.
	Quantity:	65 (actual count).
	Pollen:	None observed.
	Anthers:	
5	Size:	3 mm long.
	Color:	Yellow-Orange Group 14B.
	Quantity:	90 (actual count).
	Filaments:	
	Color:	Yellow-Orange Group 15B.
10	Length:	9 to 14 mm.
	Stigmas:	Inferior relative to the length of the filaments and to the height of the anthers.
	Color:	Yellow-Orange Group 18C.
15	Styles:	
	Color:	Orange-Red Group 34A to Orange-Red Group 33B.
	Hips:	None Observed in the field nursery in Jackson County Oregon.
20		

#### PLANT

25	Plant growth:	Moderate, upright to bushy. When grown as a budded field grown plant on <i>Rosa multiflora</i> understock, the average height of the plant is 100 to 150 cm and the average width is 100 cm.
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to 187A.

Lower surface: Greyed-Purple Group 183A  
to 187A.

Anthocyanin:

5                      Location:          Juvenile foliage and new  
   shoots.

Color: Greyed-Purple Group  
183C.

10 Plant leaves and leaflets:

Stipules:

Size: 25 to 30 mm in length.

Shape: Linear with outward extending  
apices.

15 Quantity: 2 per compound leaf.

Margins:            Finely serrated with abundant  
                         stipitate glands.

20	Color:	Yellow-Green Group 144B to 144C. Anthocyanin observed at margins, Greyed-Purple Group 183C.
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Petiole:

Length: 45 to 50 mm.

Above :

25		Color:	Yellow-Green Group 144B.
			Anthocyanin the color of
			Greyed-Purple Group 185B.

Underneath: Very fragrant stipitate glands

present. Lightly pubescent margins.

Rachis:

Length: 45 to 50 mm.

5

Above:

Color: Yellow-Green Group 144B.

Anthocyanin: Greyed-Purple Group 185B.

Underneath: Very fragrant stipitate glands present with light pubescence.

10

Leaflet:

Edge: Serrated.

Size: 42 to 65 m (l) x 36 to 46 mm (w).

15

Shape: Generally ovate. Leaflet base is rounded. Apex shape is Mucronate.

Texture: Smooth.

Thickness: Thin.

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Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Moderately glossy.

**Disease resistance:**

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Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

**Cold Hardiness:**

The variety 'Poulht003' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.